

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A coordinate measuring device having a probe for contacting the object (15) to be measured, the probe comprising:

- (a) a sensing member (18) for contacting the object;
 - (b) a support unit (13);
 - (c) a supporting element (25) connecting said sensing member (18) to said support unit (13);
 - (d) a detection member (22);
 - (e) detection means (23) for detecting the position of said detection member (22);
- characterized in that said detection member (22) is carried by a connection element (26), and in that said connection element (26) is attached to said sensing member (18),
- wherein said supporting element (25) and said connection element (26) are positioned substantially adjacent to and parallel with each other without touching each other.

Claim 2 (canceled)

Claim 3 (previously presented): The coordinate measuring device as claimed in claim 1, characterized in that the length of said connection element (26) is larger than the length of said supporting element (25).

Claim 4 (previously presented): The coordinate measuring device as claimed in claim 1, characterized in that said supporting element (25) substantially envelops said connection element (26).

Claim 5 (previously presented): The coordinate measuring device as claimed in claim 4, wherein said supporting element (25) is a hollow tube completely surrounding said connection element (26).

Claim 6 (withdrawn): The coordinate measuring device as claimed in claim 1, characterized in that the supporting element (25) as well as the connection element (26) includes a bend.

Claim 7 (previously presented): A method of measuring the position of an object, the object (15) being measured is contacted by a sensing member (18) of a probe, the probe comprising the sensing member (18), a supporting element (25) carrying the sensing member (18) and being attached to a support unit (13), in which the location of the sensing member (18) is measured by detecting the position of a detection member (22) which is connected to the sensing member (18) through a connection element (26), wherein said supporting element (25) and said connection element (26) are positioned substantially adjacent to and parallel with each other without touching each other.

Claim 8 (previously presented): The coordinate measuring device as claimed in claim 1, further comprising a spring (19) connecting between said supporting element (25) and said support unit (13).

Claim 9 (previously presented): The coordinate measuring device as claimed in claim 8, wherein said spring (19) is a leaf spring.

Claim 10 (withdrawn): The coordinate measuring device as claimed in claim 1, wherein said sensing member (18) comprises a spherical portion (28) and a bar-like portion (29), said supporting element (25) and said connection element (26) being connected to said bar-like portion (29).

Claim 11 (withdrawn): The coordinate measuring device as claimed in claim 1, wherein said sensing member (18) comprises a plurality of spherical portions (28) and a plurality of bar-like portions (29), each one of said spherical portions (28) being connected to one of the said plurality of bar-like portions (29).

Claim 12 (withdrawn): The coordinate measuring device as claimed in claim 1, wherein said detection member (22) comprises a pyramid having an inclined triangular surface (30), and said detection means (23) comprises a laser

beam (31) and a detector screen (36), wherein said laser beam (31) is directed to said inclined triangular surface (30) to generate a reflected laser beam (35) incident on said detector screen (36).

Claim 13 (previously presented): A coordinate measuring device having a probe for contacting an object (15) to be measured, the probe comprising:

- a support unit (13);

- a sensing member (18);

- a spring (19) connected to said support unit (13);

- a detection member (22);

- a detection means (23) for detecting position of said detection member (22);

- a supporting element (25) having a first support end and a second support end, said first support end being connected to said spring (19) and said second support end being connected to said sensing member (18);

- a connection element (26) having a first connect end and a second connect end, said first connect end being connected to said detection member (22) and said second connect end being connected to said sensing member (18);

wherein said supporting element (25) and said connection element (26) are substantially adjacent to and parallel with each other without touching each other.

Claim 14 (previously presented): The coordinate measuring device as claimed in claim 14, wherein said supporting element (25) is a tube having a hollow center, said connection element (26) being disposed in said hollow center.

Claim 15 (withdrawn): The coordinate measuring device as claimed in claim 14, wherein said supporting element (25) includes a 90 degree bend.